(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 18 November 2004 (18.11.2004)

PCT

(10) International Publication Number WO 2004/098320 A1

- (51) International Patent Classification⁷: 2/00, A61K 7/42
- A23L 1/28,
- (21) International Application Number:

PCT/US2003/011951

- (22) International Filing Date: 16 April 2003 (16.04.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): VDF FU-TURECEUTICALS [US/US]; 300 West 6th Street, Momence, IL 60954-0009 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MILJKOVIC, Dusan [YU/US]; VDF Futureceuticals, 4655 Ramsay Avenue, San Diego, CA 92122 (US). DUELL, Brad [US/US]; VDF Futureceuticals, 1441 Santa Lucia Rd. #1134, Chula Vista, CA 91913 (US). MILJKOVIC, Vukosava [YU/US]; VDF Futureceuticals, 4655 Ramsay Avenue, San Diego, CA 92122 (US).

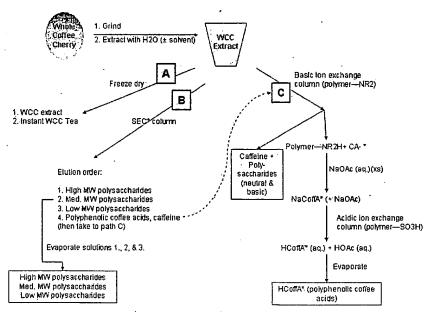
- (74) Agents: RUTAN & TUCKER LLP et al.; 611 Anton Blvd., Suite 1400, Costa Mesa, CA 92626 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: METHODS FOR COFFEE CHERRY PRODUCTS



* SEC = size exclusion chromatography; HCcffA = coffee polyphenolic acids; CoffA = coffee polyphenolic acids anion

(57) Abstract: Methods are provided for isolating a nutrient from coffee cherries or for producing a food product that comprises a coffee cherry or portion thereof (Figure 3). It is particularly preferred that coffee cherries will have an extremely low concentration of mycotoxins, including various aflatoxins, fumonisins, ochratoxins, and/or vomitoxin (DON, deoxynivalenol).

2004/098320 A1



with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.